The JB-DVF-HID-I is a JB-series color video door station and an HID iClass™ Card Reader, built onto the same stainless steel faceplate. The card reader provides electronic access to a building through a separate Access Control System, which is not supplied by Aiphone.

**INSTALLATION:**
1. For flush mounting, cut hole in wall and use supplied back box. Box dimensions are 4-½”W x 10-¾”H x 1-¾”D.
2. For surface mounting, use the SBX-DVF-P surface mount box. This box can mount to a standard 1-gang box or to any flat surface.

### Connecting the Reader to the Host:
Connect the reader to the host according to the wiring table below and the host installation guide.

<table>
<thead>
<tr>
<th>Wiegand</th>
<th>Wire Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ DC (10-16V)</td>
<td>Red</td>
</tr>
<tr>
<td>Ground</td>
<td>Black</td>
</tr>
<tr>
<td>Data0</td>
<td>Green</td>
</tr>
<tr>
<td>Data1</td>
<td>White</td>
</tr>
<tr>
<td>Shield Ground</td>
<td>Drain</td>
</tr>
<tr>
<td>Green LED</td>
<td>Orange</td>
</tr>
<tr>
<td>Red LED</td>
<td>Brown</td>
</tr>
<tr>
<td>Beeper</td>
<td>Yellow</td>
</tr>
<tr>
<td>Hold</td>
<td>Blue</td>
</tr>
<tr>
<td>---</td>
<td>Violet</td>
</tr>
</tbody>
</table>

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20” pigtail cable
**WIRING DIAGRAM:**

**TESTING AND OPERATION:**
- When power is applied to the *iClass™* reader, the LED will turn RED while the beeper beeps simultaneously 3 times. (The last tone is a higher frequency). The LED will then flash once after the last tone. This indicates that the microcontroller is operating properly.
- Present an *iClass* ID card to the reader (Hold the card directly in front of reader). The LED will momentarily turn green while the beeper beeps once, indicating that the card was read successfully.

**SPECIFICATIONS:**

**CARD READER:**
- Power Source: 10 ~ 16 VDC / 65 ~ 225mA
- Current Requirements: 80mA (Avg); 300mA (peak) at 12V
- Transmit Frequency: 13.56 MHz
- Terminations: Color-coded pre-wired pigtails
- Wiring Distance: 500'
- Operating Temperature: -10° ~ 60° C / 14° ~ 140° F
- Operating Humidity: 5% to 95% relative humidity non-condensing

**CAMERA:**
- Camera unit: 525 lines
- Scanning line: 1 Lux or less at 1'
- Min. illumination: Screw terminals
- Terminations: 330' w/871802 wire
- Wiring Distance: 980' w/JBW-BA & 851602 wire
- Dimensions (camera): 5-3/4" W x 11-5/6" H x 1-5/16" D
- With SBX-DVF-P: 5-15/16" W x 11-3/4" H x 2-13/16" D (Top)
- 1-15/16" D (Bottom)

**FCC WARNING:**
This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference that may cause undesired operation.
   - For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.
   - Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
   - The Reader is intended to be powered from a limited power source output of a previously certified power supply.